

Work Order ID 159766

Tuesday, April 18, 2017 12:25:00 PM

159766

Page 1

Item ID: D3800-3-100 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Hook And Loop Strip (1" Hard)
Start Date: 4/19/2017 Start Qty: 200.00 ***200*** Cust Item ID:
Required Date: 4/24/2017 Req'd Qty: 200.00 ***200*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan: DAS 21 Date: APR 18 2017 Tooling: _____ Date: _____ Run Start ***NR1***
QC: 9-8 Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3800	Rev B

100

0.00

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 36069Purchase Part Number: 9776K97 (5FT), 9776K113(10FT), 9776K13(15FT),
9776K23(30FT), 9776K117 (50FT), 9776K33(75FT), 9776K93(combination
pack)

Supplier: McMASTER CARR Certificate of conformity is required

0.00

APR 25 2017

DAS
13
9-69200

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

Ensure Material Release Note is attached

4.00

200 SP74-27

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
Root Cause				FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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Page 2

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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00				200			DAS 38 9-89
Quality Control									MAY 01 2017
130	Identify as per dwg & Stock Location: <u>SH19</u>	0.00							
130									
Packaging	Memo	2.00				200			DAS 6 9-89
Packaging									MAY 01 2017
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	20.00							17/5/1
Quality Control									

DAS
21
9-89

MAY 01 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐						☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
		OTHER :							

Picklist Print

Tuesday, April 18, 2017 12:24:59 PM

Page 1

Work Order ID: 159766

159766

Parent Item: D3800-3-100

D3800-3-100

Parent Item Name: Hook And Loop Strip (1" Hard)

Start Date: 4/19/2017

Required Date: 4/24/2017

Start Qty: 200.00

Required Qty: 200.00

Comments: IPP Rev:A 08-10-21 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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9776K33

Purchased

No

100

f

0.0000

1

200

*9776K33*117

**

Hook And Loop Strip 1"

APR 25 2017

DAS
13
9-89

200 sp17-4-27

DQA: _____ Date: _____



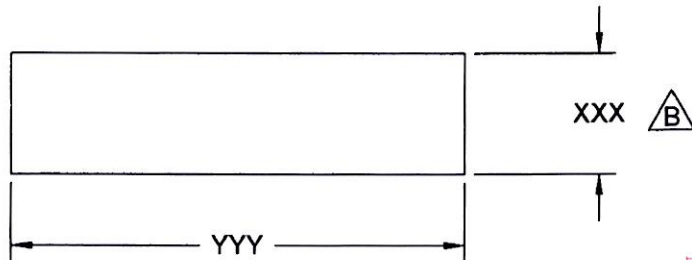
WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING



DESCRIPTION: HOOK AND LOOP STRIP WITH ADHESIVE BACK

SPECIFICATION: D3800-1-XXX-YYY LOOP STRIP (ie. SOFT VELCRO STRIP) B
 D3800-3-XXX-YYY HOOK STRIP (ie. HARD VELCRO STRIP)

WHERE 'XXX' IS WIDTH IN HUNDREDTHS OF AN INCH
 AND 'YYY' IS LENGTH IN TENTHS OF AN INCH

EG. 1" WIDE BY 2.5" LONG LOOP STRIP = D3800-1-100-025
 2" WIDE BY 10.0" LONG HOOK STRIP = D3800-3-200-100

SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 159766 MJS
 1207-18

PART NUMBER	WIDTH	PURCHASE	
D3800-1-100-YYY LOOP STRIP	1.0	McMASTER CARR P/N: 9776K122, 9776K126, 9776K18, 9776K28, 9776K131, 9776K38	B
D3800-3-100-YYY HOOK STRIP	1.0	McMASTER CARR P/N: 9776K97, 9776K113, 9776K13, 9776K23, 9776K117, 9776K33	B
D3800-1-100-YYY & D3800-3-100-YYY (PURCHASED AS COMBINATION PACK)	1.0	McMASTER CARR P/N: 9776K72, 9776K76, 9776K79, 9776K84, 9776K88, 9776K93	B
D3800-1-200-YYY LOOP STRIP	2.0	McMASTER CARR P/N: 9776K123, 9776K127, 9776K19, 9776K29, 9776K132, 9776K39	
D3800-3-200-YYY HOOK STRIP	2.0	McMASTER CARR P/N: 9776K98, 9776K114, 9776K14, 9776K24, 9776K118, 9776K34	
D3800-1-200-YYY & D3800-3-200-YYY (PURCHASED AS COMBINATION PACK)	2.0	McMASTER CARR P/N: 9776K73, 9776K77, 9776K81, 9776K85, 9776K89, 9776K94	

NOTES:

- 1) MATERIAL: WOVEN NYLON HOOK AND LOOP WITH ADHESIVE BACK
 BEIGE COLOR
 ACCEPTABLE SUPPLIERS PER ABOVE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

RELEASED

B	ADD 1" WIDTH OPTION, "XXX-YYY" WAS "XXX", ADD ADDITIONAL McMASTER PART NUMBERS	CP	08.09.09
A	NEW ISSUE	CP	08.06.18
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>GP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>GP</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>EE</i>	D3800	SHEET 1 OF 1
APPROVED	<i>MP</i>	TITLE	SCALE
DE APPR.	<i>MP</i>	HOOK AND LOOP STRIP	NTS
DATE	08.09.09	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36069**

Purchase Order Date 4/25/2017

PO Print Date 4/25/2017

Page Number 2 of 8

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

3 9776K117

DAS
38
9-89

Flame Retardent Nylon
Hook & Loop

4/27/2017

Yes

4/27/2017

AS PER DWG D3800 REV. B
B159766

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

200.00

\$1.36

\$271.88

f

Sp17427

Line Total:

\$271.88

4 95606A170

Washer

4/27/2017

Yes

4/27/2017

100.00

Each

\$0.09

\$8.60

AS PER DWG D3631 REV. A
B160124

Line Total:

\$8.60

5 93695K58

WINDOW SEAL

4/27/2017

Yes

4/27/2017

50.00

f

\$0.32

\$16.15

AS PER DWG D3802 REV. D
B160123

Line Total:

\$16.15

Note:

4/25/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO36069

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2390118-01

Page 1 of 2

04/25/2017

Line	Product	Ordered	Shipped
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2	9776K131 1" Wide x 50' Long Loop, Adhesive Back, Beige	5 Each	5
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3	9776K117 1" Wide x 50' Long Hook, Adhesive Back, Beige	4 Each	4
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807427 **DAS 38 9-89**

Shipped separately from our Cleveland warehouse on 04/25

1	90130A030 Weather-Resistant EPDM Rubber Sealing Washer for 5/16" Screw Size, 0.29" ID, 0.562" OD	10 Packs	10
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4	95606A170 Nylon Plastic Washer for 7/16" Screw Size, 0.5" ID, 0.688" OD, Off-White	1 Pack	1
---	---	-----------	---

5	93695K58 Oil-Resistant Fire-Retardant Blended Buna-N Foam 50 Feet Adhesive-Back Strip, 1/4" Thick, 1" Wide	1 Each	1
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6	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End 3/8"-24 RH Male Shank, 3/8" Ball ID, 1-1/4" Long Thread	15 Each	15
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7	50715K676 Type 316 Stainless Steel 37 Degree Flared Tube Fitting Adapter for 1/4" Tube OD x 7/16"-20 UNF Male	16 Each	16
---	--	------------	----

8	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps 31/64" to 19/32" ID, for Firm Hose and Tube	1 Pack	1
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9	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing 3/8" ID, 9/16" OD	16 Feet	16
---	---	------------	----

10	46595A36 Backup Pad for Hook and Loop Disc for 5" Disc Diameter, 5/16"-24 Threaded Spindle	1 Each	1
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11	2584A33 General Purpose Left-Hand Tap for Through-Hole Threading, 1/4"-28 Thread Size	1 Each	1
----	--	-----------	---

12	2600A16 General Purpose Die UNF Left-Hand Thread, 1" OD, 1/4"-28 Thread Size	1 Each	1
----	---	-----------	---

13	4168A611 High Performance Sanding Belt for Stainless Steel and Hard Metals, 40 Grit, 3/4" Wide, 20-1/2" Long	30 Each	30
----	---	------------	----

14	8702K637 UHMW Bar Black, 3" Wide, 3" Thick	4 Feet	4
----	---	-----------	---

McMaster-Carr Supply Company
600 County Line Rd
Elmhurst, IL 60126-2081 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 25939851
Purchase Order: PO36069
Release:
McMaster-Carr Number: 2390118-01

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 26-Apr-2017 FOB: ORIGIN
Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
2	9776K131 1" Wide x 50' Long Loop, Adhesive Back, Beige Country of Origin: United States Schedule B #: 590699 ECCN #: EAR99 NLR	5 EA	\$67.97	\$339.85
3	9776K117 1" Wide x 50' Long Hook, Adhesive Back, Beige Country of Origin: United States Schedule B #: 590699 ECCN #: EAR99 NLR	4 EA	\$67.97	\$271.88
NOTE	These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.		SPOT-04-27. DAS 38 9-00	
NOTE	Tracking number(s) for this shipment: CPK005438537			
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.				

Shipping Weight (in kgs): 3

Number of Packages: 1

Package Dimensions:

39 X 31 X 22 CM = .027 CUBIC M

Invoice Amounts:

Merchandise Amount: \$611.73
Canadian GST/HST: \$81.39
Shipping Charges: \$14.35
Total (in USD): \$707.47

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to:
(by mail)
McMaster-Carr Supply Company
PO Box 7690
Chicago, IL 60680-7690 USA

(by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N

Authorized Signature:

Date:

26-Apr-2017

Name: Sarah Weinberg

Title: Operations Mgr.